CorDEX INSTRUMENTS
SAFETY IN FOCUS

ToughPIX II

USER MANUAL

ToughPIX II

Explosion Proof Digital Camera

User Manual

Ref.ID 2341-MAN, Rev.A

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Congratulations – You are the owner of the second generation of ToughPIX digital camera designed and certified specifically for use in hazardous (explosive) atmospheres.

Please ensure that the certification matches or exceeds the hazardous area characteristics that will be clearly displayed on site.

ToughPIX II is certified ATEX/IECEx as follows:

- Ex d IIB+H2 T6 Gb / II2G Gb T6

Whilst in a hazardous area, do not attempt to change batteries or download images, these tasks should only be undertaken after returning to a safe area.

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GETTING TO KNOW YOUR TOUGHPIX II

1 ***Power button***

2 ***Shutter button***

3 ***Flash light***

4 ***Lens***

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GETTING TO KNOW YOUR TOUGHPIX II

1 ***LCD Screen***

2 ***Left/Scene***

3 ***Playback***

4 ***Mode***

5 ***Menu Button***

6 ***Down / Self Time***

7 ***Up/Delete***

8 ***Right/Flash***

9 ***W/T*** *(Zoom in/Zoom out)*

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CAMERA CHARGING / DOCKING STATION

1. ***Data communication interface***
2. ***USB Terminal***
3. ***Power Supply for charging unit***
4. ***Battery recharging compartment***
5. ***Battery release lever***

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OVERVIEW

The SLR style ToughPIX II incorporates a 16 Megapixel sensor with 16GB memory and High Definition video capability. Close up and wide area photography is simple with crisp and clear images using the built-in macro feature, anti-shake technology, 3x optical and 4x digital zoom.

Package Contents

1. Check the contents of your ToughPIX II. The shipping case should include the following items:

- *Explosion proof digital camera*
- *USB Communication Wand*
- *Docking / Charging Station*
- *CorDEX CONNECT™ Software*
- *Removable / Rechargeable Battery*
- *Neck Strap*
- *Hard Carry Case*

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BATTERY CHARGING

Battery charging must only be carried out in a safe area using the docking/charging station supplied. Never open the battery compartment or attempt to download data within a hazardous environment.

The battery is charged using the docking station supplied (See Page 6).

- Open the battery compartment of the camera and remove the retaining plug.
- Remove the battery from the battery compartment of the camera.
- Plug in the charging unit to a mains circuit and plug the jack from the charging unit into the docking station.
- Insert the battery into the battery charging compartment on the docking station.
- The charging light on the charging unit will flash green to show that the battery in charging.
- When the battery is fully charged the charging unit light will stop flashing and will show constant green.
- Remove the battery from the charging compartment
- Insert the battery pack into the camera paying careful attention to the orientation of the pack
- Insert the retaining plug and ensure that this is tightly secured.

GETTING STARTED

Turning the Power On/Off

Use the power button on the top of the camera to turn the camera on and off. If there is insufficient battery power a red icon will appear on the display and the camera will automatically power off after a few seconds. Press the shutter button to take a photo.

Mode Selection

ToughPIX II has three operating modes, Camera Video and Playback . Camera mode is the default from Power On and pressing the **MODE** button will toggle between Camera and Video mode. Press the Playback button to review photos and videos.

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TAKING PICTURES

Optical Zoom

You can magnify your subject up to 3 times using the optical zoom by pressing the **T** and **W** buttons to zoom in and out.

Digital Zoom

You can magnify your subject up to 4 times further using the digital zoom by pressing the **T** and **W** buttons to zoom in and out. An icon in the display will show whether you are using optical or digital zoom.

Flash

In low light conditions it is recommended to use the built-in flash. Use the **flash/right** button to toggle through the four flash modes:

Force flash	
Auto	AUTO
Red eye reduction	
No flash	

Scene

Scene is selected using the **left** button and toggles through several setting options: Auto, Night Portrait, Night Scenery, Portrait, Scenery, Beach, Sport, High Sensitivity

Self-timer

Self timer is selected using the **down** button to toggle through 4 self-timer options: 2 sec, 5 sec, 10 sec or Off

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TAKING PICTURES CONTINUED

Delete

Press the up button to delete the last photo or video captured. A “Delete This Image” confirmation message will appear in the display, use the **left/right** buttons to choose yes to delete the image or no to cancel the delete

Image Size

To set the image size, press **MENU** and use the **right/left** button to select the **MP** icon. The image size menu will appear in the display and the **up/down** buttons will select the required image size.

Anti-Shake

This function prevents blurring of the photo as a result of hand shake. It is accessed through the **MENU** button and using the **right/left** button to select the Hand icon.

Macro

The macro or close-up function enables clear photos to be taken within a distance of 15cm to 45cm from the subject. Press the **MENU** button and use the **right/left** button to select the macro icon The macro menu will appear in the display and the **up/down** button will toggle the macro and distance function on and off.

Setup

You can adjust the many camera setup options by pressing the **MENU** button and using the **right/left** button to select the **TOOL** icon. The setup menu on the display enables adjustment of: Exposure, ISO, White Balance, Sharpness, Quality, Digital Zoom, Date, Beep Sound, Auto Power Off, Language, Frequency, Format, Default Setting.

TAKING VIDEOS

Press the **MODE** button to select video mode Press and release the shutter button to start recording. The elapsed time will appear on the top right of the display and the recording icon will flash. Press the shutter button again to stop the recording and save the file in AVI format. Use the playback mode to view your recording.

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DOWNLOADING FILES

Photo and video file can only be downloaded using the docking/charging station supplied. These files may then be transferred to any PC with a USB connection

- Connect one end of the USB cable to an available USB port on your computer
- Connect the other end of the USB cable to the USB terminal on the docking station
- Remove the battery pack from the camera (see page 8) and gently place the camera onto the Data Communication Interface on the docking station

Windows Users

- From the Windows desktop, double click on **My Computer**.
- Look for a new 'removable disk' icon. This 'removable disk' is actually the memory (or memory card) in your camera. (Typically, the camera will be assigned drive letter 'e' or higher)
- Double click on the removable disk and locate the DCIM folder.
- Double click on the DCIM folder to open it to find more folders. Your recorded images and video clips will be inside these folders.
- Copy & Paste or Drag-N-Drop image and video files to a folder on your computer.

Mac Users

- Double-click the 'untitled' or 'unlabeled' disk drive icon on your desktop. iPhoto may automatically launch

CorDEX CONNECT™

CorDEX CONNECT™ is a reporting and analysis software package that can be downloaded at no charge from our website www.cordexinstruments.com. It is compatible with all our products that output data or images through a USB connection.

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TECHNICAL INFORMATION

Certificate Information	
ATEX / IECEx Certificate No:	TRAC13ATEX0046X / IECEx TRC 13.0016x
ATEX / IECEx Certificate Types	Ex d IIB+H2 T6 Gb / II2G Gb T6
Ambeint Temperature	-4°F to 1112°F (-20°C to +600°C)
General Information	
Image download	9Hz
Image Storage	320 x 240 uncooled microbolometer
Standard image capture reslution	16 Megapixel
Zoom	3 x optical, 4 x digital
Screen size	2.7 inches
Additional features	Anti shake, auto focus, macro, face recognition
Tripod mount	1/4 inch 20 TPI
Detailed information	
Body Material	Anodised aluminium with anti-static over mould
Lens & LCD material	Armoured Glass
Weight	900g
IP	54
Electrical information	
Battery Type	Removable & Rechargeable
Capacity	1100mAh
Cell type	NiMH

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